

FIG. 1

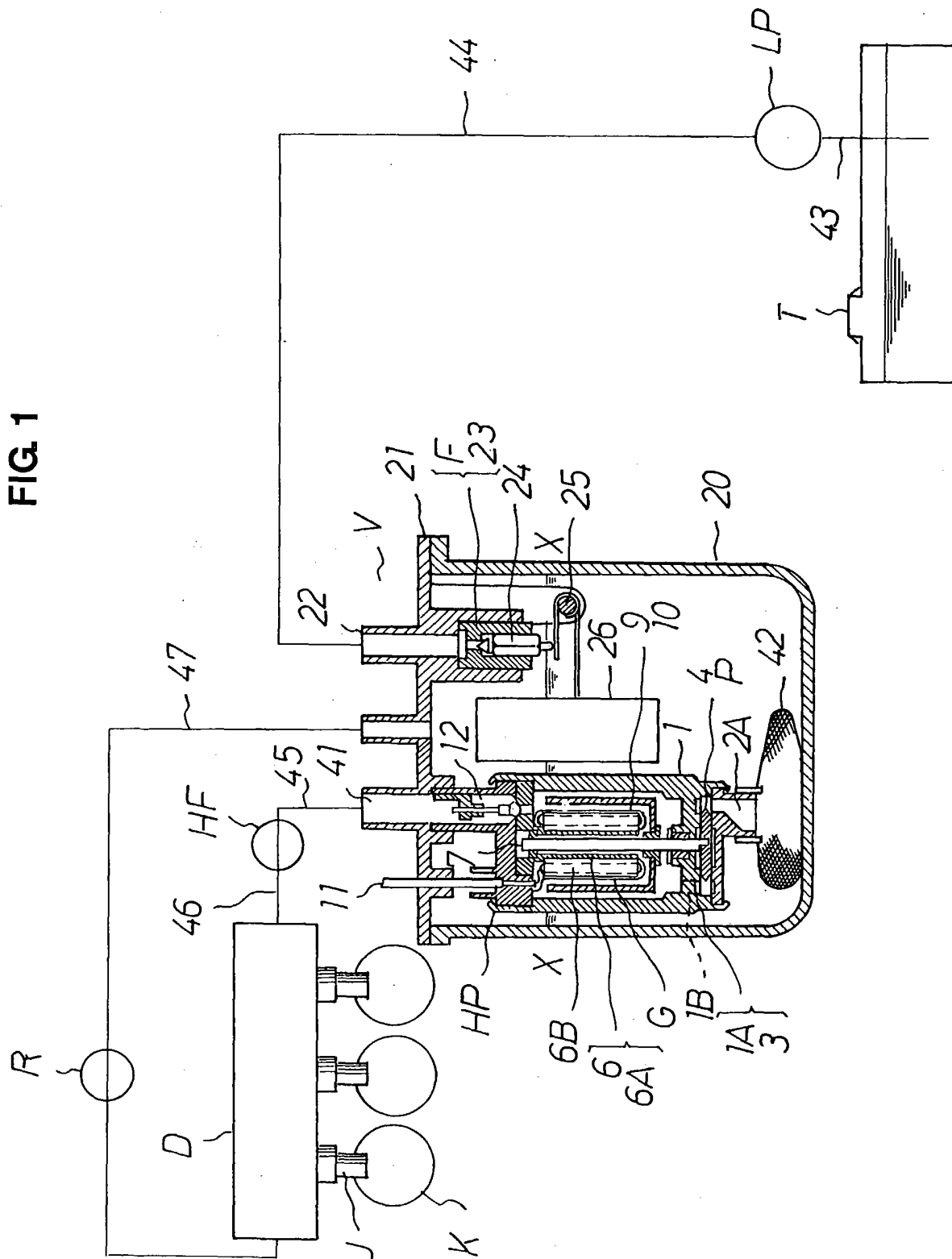


FIG. 2

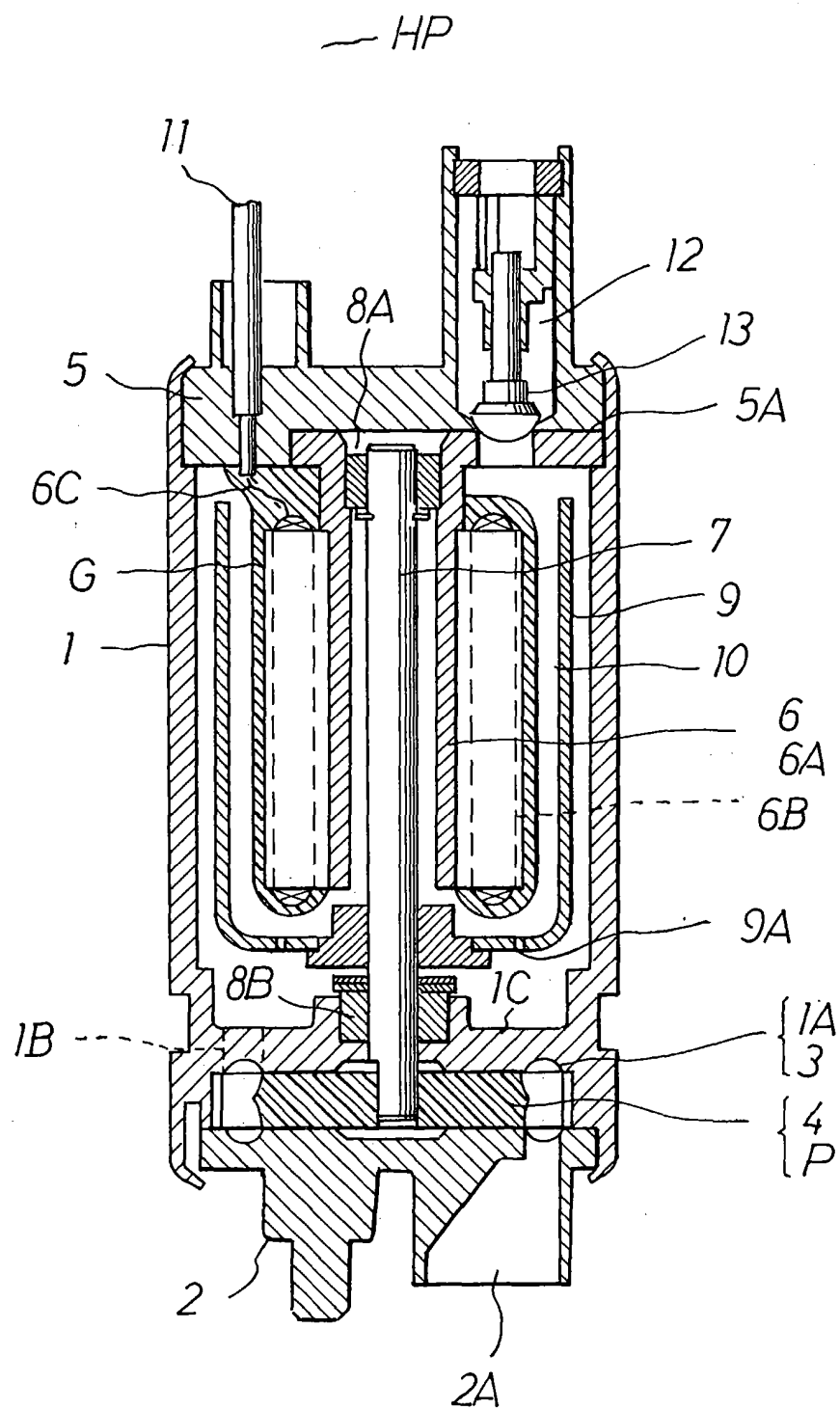


FIG. 3

FIG. 3 is a schematic diagram of a vacuum furnace system. The system includes a vacuum furnace (20) with a chamber (26) containing a sample (37). The furnace is connected to a power source (44) and a control system (45). The control system includes a pump (46) and a pressure gauge (47). The furnace is also connected to a gas inlet (21) and a gas outlet (22). The furnace is further connected to a gas supply (43) and a gas control valve (42). The furnace is also connected to a gas inlet (21) and a gas outlet (22). The furnace is further connected to a gas supply (43) and a gas control valve (42). The furnace is also connected to a gas inlet (21) and a gas outlet (22). The furnace is further connected to a gas supply (43) and a gas control valve (42).

